

## **PATENT**

### **ABSTRACT**

Circuitry and processes carried out thereby are disclosed for implementing simple single tuner set top box decoders which do not require a separate tuner for an out of band management and control channel. Removable smart card conditional access circuitry and  
5 replaceable modules having decoding circuitry for different compression schemes and encoding circuitry for different format television circuits is disclosed. An embodiment with a single tuner and a full DOCSIS compatible modem which can interface to personal computers, etc. is also disclosed to make the set top box a simple, inexpensive home gateway is also disclosed.

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